

## **IN THE CLAIMS:**

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1-81. (Cancelled)

82. (Currently Amended) A method comprising:

a first device coupled to a network sending a request to a second device coupled to the network to access a traditional instrument, wherein the first device comprises a web browser, wherein the request to access the traditional instrument is generated in response to user input to the web browser, wherein the user input that generates the request to access the traditional instrument is received by the web browser in a web page provided by the second device, wherein the traditional instrument is coupled to the second device via an instrumentation bus, wherein an instrument driver is required by the second device to communicate with the traditional instrument, wherein the second device is not configured with the instrument driver, wherein the traditional instrument does not include inherent Internet capabilities, and wherein the instrumentation bus is not the Internet;

the second device receiving the request to access the traditional instrument;

the second device receiving the instrument driver in response to said receiving the request to access the traditional instrument, wherein the instrument driver is downloaded directly from the network, and wherein the instrument driver is usable by the second device to communicate with the traditional instrument;

the second device accessing the traditional instrument via the instrumentation bus in response to said request to access the traditional instrument;

the traditional instrument sending instrument data to the second device via the instrumentation bus in response to the second device accessing the traditional instrument;

the second device receiving the instrument data sent from the traditional instrument via the instrumentation bus; and

the second device sending the instrument data to the first device via the network.

83. (Previously Presented) The method of claim 82, further comprising displaying on the first device a graphical user interface to the traditional instrument coupled to the second device, wherein the graphical user interface is operable by the user to remotely control functionality of the traditional instrument from the second device.

84. (Previously Presented) The method of claim 82, further comprising:  
the first device receiving the instrument data from the second device via the network; and  
displaying the received instrument data on the first device.

Claims 85 and 86. (Cancelled)

87. (Currently Amended) The method of claim ~~[[86]]~~ 82, wherein the web page provides a graphical user interface to the traditional instrument coupled to the second device.

88. (Previously Presented) The method of claim 82, wherein the second device comprises an instrument server, and wherein the second device accessing the traditional instrument comprises:

the instrument server accessing the instrument driver for the traditional instrument; and

the instrument driver accessing the traditional instrument via the instrumentation bus in response to the instrument server accessing the instrument driver.

89. (Previously Presented) The method of claim 82, further comprising, prior to the first device sending the request to access the traditional instrument:

the instrument server providing instrument information about one or more traditional instruments coupled to the second device to the first device through the network, wherein the one or more traditional instruments include the traditional instrument; and

displaying the instrument information about the one or more traditional instruments on the first device.

90. (Previously Presented) The method of claim 82, wherein a plurality of traditional instruments including the traditional instrument are coupled to the second device via the instrumentation bus, and wherein the first device is operable to send requests to access each of the plurality of traditional instruments to the second device.

91. (Previously Presented) The method of claim 82, further comprising the second device:

detecting one or more traditional instruments coupled to the instrumentation bus including the traditional instrument;

receiving instrument information from each of the detected one or more traditional instruments; and

providing the instrument information from the one or more detected traditional instruments to the first device;

wherein the one or more traditional instruments are user-selectable from the first device using the instrument information.

92. (Currently Amended) The method of claim ~~[[1]]~~ 82, wherein the instrumentation bus is ~~one of a GPIB instrumentation bus, a PCI instrumentation bus, a PXI instrumentation bus, and a serial instrumentation bus.~~

93. (Currently Amended) A device comprising:

- a first port operable to couple to a network;
- a second port operable to couple to an instrumentation bus, wherein the instrumentation bus is not the Internet;
- a processor; and
- memory coupled to the processor and operable to store program instructions, wherein the program instructions are executable by the processor to:

detect a first traditional instrument coupled to the instrumentation bus, wherein a first instrument driver is required by the device to communicate with the traditional instrument, wherein the device is not configured with the first instrument driver;

receive, from a second device coupled to the network, a request to access the first traditional instrument, wherein the second device comprises a web browser, wherein the request to access the first traditional instrument is generated in response to user input to the web browser, wherein the user input that generates the request to access the first traditional instrument is received by the web browser in a web page provided by the device;

receive, from the network, the first instrument driver which is associated with the first traditional instrument in response to the detection of the first traditional instrument, wherein the first instrument driver comprises program instructions which are executable by the processor to communicate and/or control the first traditional instrument; and

store the first instrument driver in the memory, wherein the first instrument driver is configured to allow for communication with and/or control of the first traditional instrument in response to the request from the second device.

94. (Currently Amended) The device of claim 93,  
~~wherein the program instructions are further executable by the processor to:~~  
~~receive, from a second device coupled to the network, a request to access the first traditional instrument;~~  
wherein the first instrument driver comprises program instructions which are executable by the processor to:  
access the first traditional instrument through the instrumentation bus; and  
receive data sent from the first traditional instrument.

95. (Previously Presented) The device of claim 94,  
wherein the program instructions are further executable by the processor to:  
transmit the data to the network.

96. (Previously Presented) The device of claim 95,  
wherein, in said transmitting the data to the network, the program instructions are further executable by the processor to transmit a web page to the network, wherein the web page comprises the data.

97. (Previously Presented) The device of claim 93,  
wherein the program instructions are further executable by the processor to:  
detect a second traditional instrument coupled to the instrumentation bus;  
receive, from the network, a second instrument driver which is associated with the second traditional instrument in response to the detection of the second instrument, wherein the second instrument driver comprises program instructions which are executable by the processor to communicate with and/or control the second traditional instrument; and  
store the second instrument driver in the memory.

98. (Currently Amended) The device of claim 97,  
wherein the program instructions are further executable by the processor to:  
receive, from [[a]] the second device coupled to the network, a request to access the second traditional instrument;  
wherein the second instrument driver comprises program instructions which are executable by the processor to:  
access the second traditional instrument through the instrumentation bus;  
and  
receive data from the second traditional instrument.

99. (Previously Presented) The device of claim 98,  
wherein the program instructions are further executable by the processor to:  
transmit the data to the network.

100. (Previously Presented) The device of claim 99,

wherein, in said transmitting the data to the network, the program instructions are further executable by the processor to transmit a web page to the network, wherein the web page comprises the data.

101. (Currently Amended) A method for using a traditional instrument with a network, comprising:

a first device detecting the traditional instrument, wherein the first device is coupled to the traditional instrument, wherein the first device is not coupled to the traditional instrument via the Internet, wherein an instrument driver is required by the first device to communicate with the traditional instrument, wherein the first device is not configured with the instrument driver, and wherein the first device is coupled to the network;

receiving, from a second device coupled to the network, a request to access the traditional instrument, wherein the second device comprises a web browser, wherein the request to access the first traditional instrument is generated in response to user input to the web browser, wherein the user input that generates the request to access the traditional instrument is received by the web browser in a web page provided by the first device;

automatically receiving, from the network, the instrument driver which is associated with the traditional instrument, wherein the instrument driver comprises program instructions which are executable by the first device to communicate with the traditional instrument; and

after said automatically receiving, communicating with the traditional instrument in response to the request from the second device, wherein said communicating comprises using the instrument driver.

102. (Currently Amended) The method of claim 101,

wherein said automatically receiving comprises downloading the instrument driver from a ~~second~~ third device coupled to the network.

103. (Cancelled)

104. (Currently Amended) The method of claim ~~[[103]]~~ 101,  
wherein the request from the second device comprises a request for a  
measurement.

105. (Currently Amended) A computer-accessible memory medium comprising  
program instructions, wherein the program instructions are executable by a processor to  
implement:

scanning an instrumentation bus coupled to a first device to detect  
instruments coupled to the instrumentation bus;

detecting a first traditional instrument coupled to the instrumentation bus,  
wherein an instrument driver is required by the first device to communicate with the first  
traditional instrument, wherein the first device is not configured with the instrument  
driver, wherein the first traditional instrument does not include inherent Internet  
capabilities, and wherein the instrumentation bus is not the Internet;

receiving instrument information from the detected first traditional  
instrument in response to said detecting the first traditional instrument;

transmitting to a network a request for the instrument driver which  
corresponds to the instrument information, wherein the instrument driver is usable to  
communicate with the first traditional instrument;

receiving and storing the instrument driver from the network; and

providing the instrument information of the first traditional instrument to a  
second device coupled to the first device via the network using the instrument driver,  
wherein said providing is performed in response to a request to access the first traditional  
instrument received from the second device, wherein the second device comprises a web  
browser, wherein the request to access the first traditional instrument is generated in  
response to user input to the web browser, and wherein the user input that generates the  
request to access the first traditional instrument is received by the web browser in a web  
page provided by the device; and

~~displaying the instrument information of the first traditional instrument on~~  
~~the second device;~~

wherein the first traditional instrument coupled to the first device via the instrumentation bus is remotely accessible from the second device to initiate monitor and control functions of the first traditional instrument.

106. (Cancelled)